

VARIANCE FOR ROCKET MOTOR TEST OPERATIONS AT ATLANTIC RESEARCH CORPORATION  
ORANGE COUNTY FACILITY (9 VAC 5 CHAPTER 220)

9 VAC 5 CHAPTER 220.

VARIANCE FOR ROCKET MOTOR TEST OPERATIONS AT ATLANTIC RESEARCH  
CORPORATION ORANGE COUNTY FACILITY.

9 VAC 5-220-10. Applicability and designation of affected facility.

\_\_\_\_\_ The affected facility to which the provisions of this chapter apply is the Atlantic  
Research Corporation Orange County facility.

9 VAC 5-220-20. Definitions.

\_\_\_\_\_ A. For the purpose of this chapter or any associated orders issued by the  
board, the words or terms shall have the meaning given them in subsection C of this  
section.

\_\_\_\_\_ B. As used in this chapter, all terms not defined herein shall have the meanings  
given them in 9 VAC 5 Chapter 10 (9 VAC 5-10-10 et seq.) and 9 VAC 5-170-140, unless  
otherwise required by context.

\_\_\_\_\_ C. Terms defined.

\_\_\_\_\_ "Atlantic Research Corporation" means the owner and operator of a rocket

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motor test facility located at 7499 Pine Stake Road, Culpeper, Virginia, known as the Orange County facility.

"EPA" means the United States Environmental Protection Agency.

"Facility" means the contiguous property at 7499 Pine Stake Road, Culpeper, Virginia, owned and operated by the Atlantic Research Corporation or its successors in ownership, and known as the Orange County facility.

"Order" means the order granting this variance.

"Rocket motor test operations" means static testing of solid propellant rocket motors on a fixed test stand. Such tests are conducted for the research, development, and production of rocket motors.

"VAC" and "9 VAC" mean Title 9 of the Virginia Administrative Code. This title comprises the environmental regulations for the Commonwealth of Virginia, including the regulations of the State Air Pollution Control Board.

"Variance" means 9 VAC 5 Chapter 220 (9 VAC 5-220-10 et seq.).

9 VAC 5-220-30. Applicability of standard for visible emissions and standard for particulate matter.

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\_\_\_\_\_ A. \_\_\_\_\_ The standard for visible emissions in 9 VAC 5-50-80 shall not apply to the rocket motor test operations at the facility.

\_\_\_\_\_ B. \_\_\_\_\_ No owner or other person shall cause or permit to be discharged into the atmosphere from the test rocket motor operations at the facility any particulate matter emissions in excess of 714 pounds per hour.

\_\_\_\_\_ C. \_\_\_\_\_ Subsections A and B of this section do not apply to operations at the facility other than rocket motor test operations.

9 VAC 5-220-40. Compliance determination, monitoring, recordkeeping, and reporting.

\_\_\_\_\_ A. \_\_\_\_\_ The owner shall monitor and record the time, date, and duration of each rocket motor test operation. The owner shall also monitor and record the quantities (specified in pounds) of solid propellant expended during each rocket motor test operation and shall calculate hourly totals of the quantities of propellant used in these operations.

\_\_\_\_\_ B. \_\_\_\_\_ The owner shall use a method acceptable to the board for calculating particulate matter emissions from the rocket motor test operations. Using this method and the hourly totals of the quantities of solid propellant expended, the owner shall calculate and record the hourly quantities (specified in pounds) of particulate matter emissions.

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C. Using the information required in subsections A and B of this section, the owner shall calculate and record the hourly particulate matter emissions resulting from the rocket motor test operations to demonstrate compliance with the emission rate specified in 9 VAC 5-220-30 B.

D. The provisions of 9 VAC 5-50-40 and 9 VAC 5-50-50 apply.

9 VAC 5-220-50. Transfer of ownership.

A. The terms of this chapter are transferable to a new owner upon sale of the facility.

B. In the case of a transfer of ownership of the facility, the new owner shall comply with this chapter. The new owner shall notify the department of the change in ownership within 30 days of the transfer.

C. In the case of a name change of the facility, the owner shall comply with this chapter. The owner shall notify the department of the change in source name within 30 days of the name change.

9 VAC 5-220-60. Applicability of future regulation amendments.

Subsequent amendments to 9 VAC 5-50-80 shall not apply to rocket motor test

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operations at the facility unless the board amends this chapter to specifically address the  
applicability of the regulatory amendments to those operations at the facility.

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CERTIFICATION

REGULATION 9 VAC 5 CHAPTER 220, REVISION CV-1  
CONCERNING  
VARIANCE FOR ROCKET MOTOR TEST OPERATIONS AT ATLANTIC RESEARCH  
CORPORATION ORANGE COUNTY FACILITY

I certify that this regulation is full, true, and correctly dated.

Signature: \_\_\_\_\_

Name of Certifying Official: Dennis H. Treacy

Title: Director

Agency: Department of Environmental Quality

Date: \_\_\_\_\_